Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/27/2021 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123353	-2	1.33	123262	1.28
Blue	F	SSC	125000	122767	-2	2.88	123003	2.68
Blue	E	FITC	13131	12744	-3	2.26	293	15.83
Blue	D	PE	24112	23448	-3	1.69	539	10.95
Blue	B	PerCP-Cy5-5	31295	30485	-3	3.11	1011	14.20
Blue	A	PE-Cy7	19939	19628	-2	5.18	521	28.76
Red	C	APC	42122	41322	-2	2.99	1732	11.39
Red	A	APC-Cy7	22340	21591	-4	3.22	807	11.66
Violet	B	V450	7410	7001	-6	3.79	433	12.71
Violet	A	V500	28118	26671	-6	3.37	669	10.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22605	1.13	565	-4	N/A	N/A	Pass
Blue	F	SSC	57306	1.11	516	4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0392	84	Pass
Blue	D	PE	113	37.07	486	-2	0.3768	276	Pass
Blue	B	PerCP-Cy5-5	189	34.56	581	-5	0.0209	52	Pass
Blue	A	PE-Cy7	105	66.12	623	-5	0.0226	0	Pass
Red	C	APC	402	23.36	577	1	0.0275	122	Pass
Red	A	APC-Cy7	180	27.05	550	-1	0.0062	756	Pass
Violet	B	V450	61	59.30	458	5	0.0493	1573	Pass
Violet	A	V500	97	33.12	469	4	0.0237	559	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.78	-31.53	1.03
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	15.33	13.60 - 20.40	N/A	N/A	29.97	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11645

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments